

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME:

# EHROHUANT Hilanzenzucht EmbH

MICCORS, THERE HAS BEEN PRESENTED TO THE

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE PHERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS ARE ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLEMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITIORY AS PROVIDED BY LAW, THE GHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

### **POTATO**

### 'LAURA'

In Testimon Mucros, I have hereunto set my hand and caused the seal of the Hant Unriety Frotection Office to be affixed at the City of Washington, D.C. this eleventh day of August, in the year two thousand and eight.

Attest

Berzu

Commissioner Plant Variety Protection Office

Plant Variety Protection Office Agricultural Marketing Service Secret Juliuro

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426). APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)

1. NAME OF OWNER				2. TEMPORARY DESIGNA EXPERIMENTAL NAME	TION OR	3. VARIETY NAME
EURUPLANT Pfla	nzenzucht Cmh	\H				LAURA
4. ADDRESS (Street and No., or R.F.D. No.				5. TELEPHONE (include an	ea code)	FOR OFFICIAL USE ONLY
Wulf-Werum O - 21337 Germany				+ 49 - 4131 - 748 6. FAX (include area code) + 49 - 4131 - 748		<b>*03</b> 0006
		1				FILING DATE
7. IF THE OWNER NAMED IS NOT A "PERS ORGANIZATION (corporation, partnership	SON", GIVE FORM OF , association, etc.)	1	ORATED, GIVE INCORPORATION	9. DATE OF INCORPORAT	ION	inlula
COMPANY  10. NAME AND ADDRESS OF OWNER REF		<del>_</del>	MKNY	09-21-19	42	1214102
Hanse Seed	Corp. homas Düsing na Dr.	IIO AI 7 EIOATION	. (Pist person nateu wiii	3-3-2	25.08 REGEL	in landida
11. TELEPHONE (Include area code)	12. FAX (Include area code)	13.	E-MAIL		14. CROP	KIND (Common Name)
			•		рот	`ATO
15. GENUS AND SPECIES NAME OF CROP		16.	FAMILY NAME (Boten	ical)		VARIETY A FIRST GENERATION
SULANUM TUE	BEROSUM 1.	S	olanacea.		i _	] YES ↓□ NO
18. CHECK APPROPRIATE BOX FOR EACH reverse)	· · · · · · · · · ·		19. DOES THE	OWNER SPECIFY THAT SEED	OF THIS VAR	JETY BE SOLD AS A CLASS OF
Exhibit A. Origin and Breeding b. Exhibit B. Statement of Distinct c. Exhibit C. Objective Description d. Exhibit D. Additional Descriptio Exhibit E. Statement of the Bas f. Voucher Sample (2,500 viable userification that tissue culture wirepository)	ness n of Variety n of the Variety <i>(Optional)</i>		21. DOES THE VARIETY BI	YES (If "yes", answer Items 20 and 21 below)  OWNER SPECIFY THAT SEED E LIMITED AS TO NUMBER OF IICH CLASSES? FOUND  OWNER SPECIFY THAT SEED E LIMITED AS TO NUMBER OF ECIFY THE FOUNDATI	OF THIS CLASSES?  ACTION OF THIS GENERATION	YES   NO (If 'no', go to item 22)  YES   NO  REGISTERED   CERTIFIED  S? NO  REGISTERED   CERTIFIED
22. HAS THE VARIETY (INCLUDING ANY HA FROM THIS VARIETY BEEN SOLD, DISP	RVESTED MATERIAL) OR A HYBRI OSED OF, TRANSFERRED, OR US	D PRODUCED ED IN THE U.S. O	23. IS THE VAR	LIETY OR ANY COMPONENT OF RIGHT (PLANT BREEDER'S RI	THE VARIET	Y PROTECTED BY INTELLECTUAL
X(X) YES See sta	22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES?  X[7] YES SEE STATEMENT NO  IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)					INITY  NO SUANCE AND ASSIGNED  Verse.)
24. The owners declare that a viable sample of for a tuber propagated variety a tissue cult. The undersigned owner(s) is(are) the owne and is entitled to protection under the provi- Owner(s) Is(are) informed that false represe	r of this sexually reproduced or tuber sions of Section 42 of the Plant Varie	propagated plant ty Protection Act.	variety, and believe(s) th	ed upon request in accordance we e certificate. lat the variety is new, distinct, uni	ith such regula	dions as may be applicable, or le as required in Section 42,
SIGNATURE OF OWNER	ETIDO	V3 T 4	SIGNATURE OF	OWNER	······································	
	EUR	TPLAI	N			
NAME (Please print or type)	Wulf-W	<del>ZUCNI Gn</del> erum-Str	1 NAME (Please pi	rint or type)		
Jörg Renatus	<b>≰</b> ∫33/	Lünebur	.d			<u> </u>
CAPACITY OR TITLE	DATE		CAPACITY OR T	ITLE		DATE
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S&T-470 (07-01) designed by the Plant Variety Pro	Discussion Office with WordPerfect 9.0.	Replaces STD-47	70 (04-01) which is obsol	ete. (See reverse for instri	uctions and inf	ormation collection burden statement)

### INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filling fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

### **Plant Variety Protection Office** Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filling a change of address. The fee for filling a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whilten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant-potato.de

**EXPLANATION** 

### FIRST SALES OF POTATO VARIETY LAURA

LAURA was registered in Germany in 1998. In 1997 we stared micro propagation in vitro with this variety. In 1998 we planted tissue culture plantlets into our own greenhouses and produces the mini tubers at our breeding stations in Böhlendorf, Ebstorf and Kaltenberg (all Germany).

In 1999 the mini tubers where planted in open fields and we had received the first open field multiplication, also on our own breeding stations mentioned above.

In spring 2000 the variety LAURA seeds were delivered to our seed multiplication farms in the EU protected zone for potato multiplication in the federal state of Mecklenburg-Vorpommern for further multiplication in order to increase the available material.

After two multiplication steps by our own farm, the total production was collected in September 2000 for commercial sales to clients which took place for the first time in October 2001.

Signature: ...

Managing Director

-Seal

EUROPLANT Pflanzenzucht GmbH Wulf-Werum-Str 1

21337 Lüneburg

Lüneburg; 2002-10-15



### #200300064

### **EUROPLANT Pflanzenzucht GmbH**

EUROPLANT Pflanzenzucht GmbH - Postfach 1380 - D-21303 Lüneburg

Böhm-Nordkartoffel Agrarproduktion

Am Hof 9

D-18334 Lindholz

**Export/EU Rechnung** 

ILN Re-Empfänger

Kundennummer

Seite

Rechnungsnummer

Rechnungsdatum

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17.10.2001

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Bearbeiter

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Versandart

STD - WH 810

Referenznummer/-datum

Auftragsnummer

Lieferdatum

EUB01.203827

17.10.2001

Unsere Steuernummer

Ihre Steuernummer

3321101930

Es gelten für diese Lieferung unsere rückseitig abgedruckten Verkaufsbedingungen !

ANr./EAN	Artikelbezeichnung	Menge EH	kg	Preis DEM	Betrag DEM	Ust %
10734	1 LAURA PFLANZKARTOFFELN B/S NORMALSORTIERUNG 35-55 MM	200 SACK 25 KG	5.000,00	80,00	4.000,00	7,00

steuerfrei: bei innergem.Lief. nach § 4 Nr. 1 in Verb. mit §6a UStG, Ausfuhrl.ins Drittland.§6 UStG

Alle anfallenden Kosten für Entsorgung von Transportverpackung sind im Preis berücksichtigt!

st.pfi. Betrag DEM	USt-Steuer DEM	Endbetrag DEM	USt
 4.000,00	280,00	4.280,00	7,00
4.000,00	280,00	4.280,00	

Lieferbedingung:

Franco

Zahlungsbedingung: Zahlung rein netto bis zum 16.11.01

Bankverbindung:

Kontonr. 4381810 BLZ

Kontonr.

BLZ

IBAN DE93 2404 0000 0438 1810 00

SWIFT-BIC: COBA DE FF

Commerzbank Lüneburg

24040000

Deutsche Bank Hannover

0196196

25070070

IBAN DE14 2507 0070 0019 6196 00

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EUROPLANT Pflanzenzucht GmbH, Wulf-Werum Str.1, D-21337 Lüneburg, Tel. 04131 - 748055, Fax. 04131 - 7480580, www.europlant-potato.de Amtsgericht Neubrandenburg HRB 3537, Geschäftsführer: Jörg Eggers, Otto Estorf UST-IdNr.DE811305812,DE-006-Öko-Kontrollstelle





EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant-potato.de

Exhibit A.

### Origin and Breeding History Potato Variety

### **LAURA**

### **Breeding history**

LAURA was bred at the breeding station Kaltenberg (Bavaria, Germany) by cross breeding.

Last crossing was in 1989 by ROSELLA x 6140/12

LAURA is listed at the German Plant Variety Office under the reference number K 3248 and is protected in EC - Europe at the Community Plant Variety Office under reference number EU 3443

Number of Generations over which stability and uniformity have been observed:

Stability and uniformity of the potato variety **LAURA** have been officially proved at the German Plant Variety Office, annually proved since the first DUS trial in 1996 (until October 2002 seven generations).

### Off-types and variants:

The potato variety LAURA is stable and uniform without showing any variants and off-types.

Selection criteria:

middle early maturity (III)
mainly firm cooking quality (B)
deep yellow flesh colour
smooth red skin, long-oval shape
no discoloration after cooking
superior consumption quality and

superior consumption quality and suitable for French fries processing resistances to diseases, yery high to virus PVY and PVA, high to PLRV, nematodes Ro 1-5

EUROPLANT

Seal

Pflanzenzucht GmbH Wulf-Werum-Str 1

21337 Lüneburg

Lüneburg; 2002-10-15

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Bankverbindungen: Commerzbank AG Lüneburg Kto.-Nr. 438181000 (BLZ 50040000) SWIFT COBA DE FF
Eingetragen Neubrandenburg HRB 3537, UST.-IdNr.: DE 811305812, Steuernr. : 33/211/01930, Geschäftsführer: Jörg Eggers und Jörg Renatus



EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant.biz

Exhibit B.

### Statement of distinctness Potato Variety

'LAURA' is most similar to 'Symfonia' Per correspondence March 25, 2008

LAURA

LMC 3-26-0

**LAURA** is distinct from Symfonia by:

Variety	Characteristic	stage of variety
Symfonia	Petioles: intensity of anthocyan coloration	Very strong
	Light sprout base: pubescence	Very sparse - sparse
LAURA	Petioles: intensity of anthocyan coloration	Medium
•	Light sprout base: pubescence	medium

The German Plant Variety office uses reference varieties for the various morphological characters of a potato variety. Quantities characters such as plant size, maturity, etc. are given as numerical marks following the "UPOV Guidelines for the Conduct of Tests for Distinctiveness, Homogeneity and Stability".

The variety **LAURA** was proven to be distinct from all other potato varieties in Germany and all other member states of UPOV on 1998-03-18. The German Plant Variety Office protected LAURA under the reference No. K 3248. The DUS results are available at:

> Bundessortenamt P.O. Box 61 04 40

D-30604 Hannover

Tel.: +49 - 511-95 66 5

Fax: +49 - 511-56 33 62

Signature:

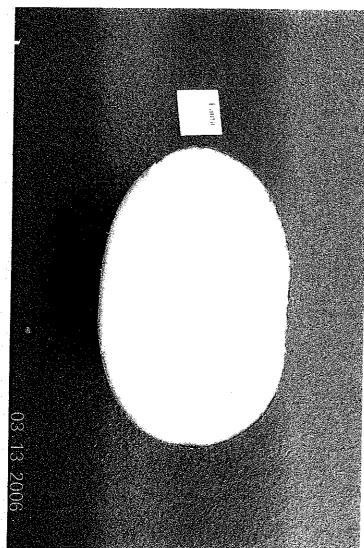
Jörg Renatus Managing Director Seal

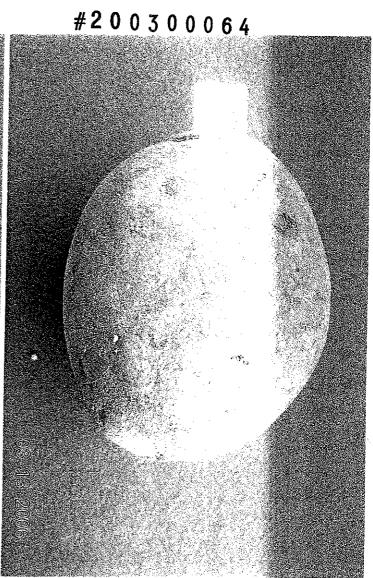


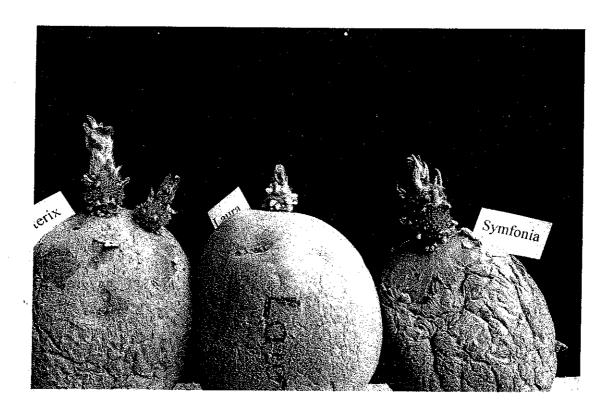
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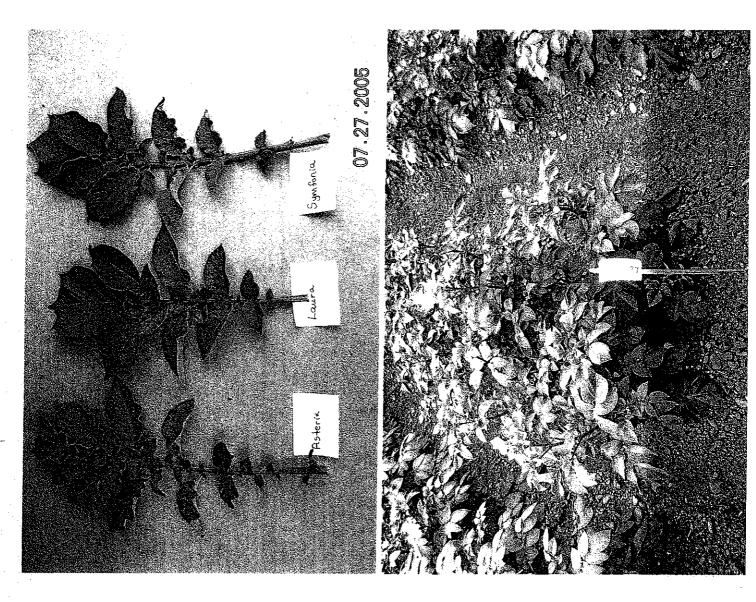






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> U.S. DEPARTMENT OF AGRICULTURE **AGRICULTURAL MARKETING SERVICE** SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibi

### **OBJECTIVE DESCRIPTION OF VARIETY** Potato (Solanum tuberosum L.)

### INSTRUCTIONS

### The Objective Description Form:

The objective description form lists characteristics to be used as the basis for developing the description of potato varieties. It is designed to guide the applicant in describing a variety in detail so a meaningful comparison with other potato varieties can be accomplished. It is recommended that this form be completed in as much detail as possible to ensure an accurate description. Please fill in the requested data and place the appropriate number that describes the varietal characters typical of this potato variety and the reference varieties in the respective boxes.

### Test Guidelines:

Any statistical and trial (field test) data that may be necessary to support the variety description should be attached to this form. Please include for trial data the plot size, number of replications, number of plants, plant spacing, trial locations and growing periods. Trials should normally be conducted at one place, in the region that the variety has been adapted for, with a minimum of one growing period in the United States. All comparative data should be determined from varieties entered in the same trials. The size of the plots should be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made at the end of the growing period. As a minimum, each test should include a total of 60 plants which should be divided between two or more replicates. Separate plots for observation and measuring can only be used if they have been subject to similar environmental conditions. To determine color for a plant or plant parts a recognized standard color chart must be used such as the Royal Horticultural Society (RHS) Color Chart or Munsell Color Chart (MCC).

### Reference Varieties:

The application variety should be compared to at least one reference variety preferably a set of reference varieties. The reference varieties should be market class standard varieties currently grown in the United States and or the variety (ies) most similar. The following varieties are recommended as market class standards to be used as reference varieties:

Yellow-flesh table-stock	Yukon Goid
Round-white table-stock	Superior
	Atlantic, Snowden, Norchip
Frozen-processing	Russet Burbank
Russet table-stock	
Red table-stock	Red Pontiac, Red Norland, Red Lasoda

If the applicant does not use one of the recommended reference varieties by the PVP office, a complete description of the reference variety should be submitted by the applicant (Exhibit C).

### **Characteristics:**

Light sprout characteristics are supplied in **Figure 1**. The plant type and growth habit characteristics are collected at early first bloom. **Figure 2** is supplied to help visualize the growth habit. For this descriptor, look at the stems rather than the stems and foliage. Plant maturity is measured at natural vine senescence.

Stem characteristics are also collected at early bloom. Stem anthocyanin coloration is divided into two descriptors: Location and intensity. **Figure 3** is supplied to give an example of stem wings.

Leaf characteristics are observed at early first bloom. Fully-developed leaves located on the middle third of the plant should be used. Leaf pubescence refers to general trichomes. Figure 4 is supplied for examples of leaf silhouette. Leaf stipules are shown in Figure 5 for visual definition. Figure 6 is supplied to define leaf characteristics. Figure 7 should be used to describe terminal and primary leaflet shape. Figures 8 and 9 are used to describe the terminal and primary leaflet shape of tip and base, respectively. To measure the total number of primary leaflets pairs, collect 10 fully developed petioles (with leaves attached from each replication) and take the average number of secondary and tertiary leaflets. Glandular trichomes should be described in the Additional Comments and Characteristics (Descriptor 15).

Inflorescence characteristics should be measured at early first bloom. **Figures 10, 11 and 12** are supplied to describe anther and stigma shape, respectively. Corolla, calyx, anther, stigma, and pollen should be observed on newly opened flowers. Berry production should be based on field-grown plants rather than greenhouse plants.

Tuber characteristics should be observed following harvest. Figures 13 and 14 are available to describe distribution of secondary color and tuber shape, respectively.

Disease and pest reactions should be based upon specific tests or statistical analysis rather than just field observations, rating 1 as Highly Resistance and 9 as Highly Susceptible, please follow the scale on each descriptor. Other diseases or pests reactions not requested can be described if it is felt that it would be helpful to determine novelty of the variety.

Quality characteristics should be described according to the market use.

If the plant is transgenic, this gene insertion(s) should be described.

Chemical identification and any other characteristics can be described if they are helpful in distinguishing the variety.

Legend:

V = Application Variety

R1-R4 = Reference Varieties

\* = Both the reference variety (ies) and application variety must be described for characteristics designated with an asterisk.

AME OF APPLICANT (S)		TEMPORARY OR EXPERIMENTAL DESIGNAT	ION VAR	Exhibit C (Po
ROPLANT Pflanz	enzucht GmbH			LAURA
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D-21303 Lun	coma	4-29-2008	# 2	00300064
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Application Variety (V)	Reference Variety 1 (R1)	Reference Variety 2 (R2)	Reference Variety 3 (R	3) Reference Variety 4 (R4)
LAURA	CVMCDNTA	407777		
LAUNA	SYMFONIA	ASTERIX		
DI TALOR DELENANT				
PLEASE READ ALL INSTRU				
MARKET CHARACTERISTI	CS:			
*MARKET CLASS: 1 = Yellow-flesh Table	stock 2 = Round-white Tabl	estock 3 = Chip-processing 4 = F	irozon-processie-	·
5 = Russet Tablestock	6 = Other	- Chip-processing 4 - F	rozen-processing	
- T.				7
$\begin{bmatrix} V & 1 \end{bmatrix}$	$\begin{bmatrix} R1 \end{bmatrix}_1$	R2   R3	R4	
	· · · · · · · · · · · · · · · · · · ·			
LIGHT SPROUT CHARACTE	RISTICS: (See Figure 1)			
*LIGHT SPROUT: GI				
1 = Spherical 2 =	Ovoid 3 = Conica 4 =	Broad cylindrica 5 = Narrow cyl	ndrical 6 = Other	
V	D1	Do Do		7
3	$\begin{bmatrix} R1 \\ 1 \end{bmatrix}$	R2 2 R3	R4	
*LIGHT SPROUT BAS	E: PUBESCENCE OF TIP			
1 = Absent 2 = We		Strong 5 = Very Strong		
T			7 1	~1
V 3	R1 1-2 I	R2 2 R3	R4	
*LIGHT SPROUT BAS	E: ANTHOCYANIN COLOR.	ATION		
1 = Green 2 = Red-	violet 3 = Blue-violet	4 = Other(describe)		
			] <del> </del>	1
V 2	R1           R	2   R3	R4	
			I I I I I I I I I I I I I I I I I I I	ı
*LIGHT SPROUT BASI 1 = Absent 2 = Wei	E: INTENSITY OF ANTHOCY ak 3 = Medium 4 = Si	YANIN COLORATION (IF PRESENT trong 5 = Very Strong	7)	
$V \mid \mathfrak{z}$	R1 <sub>4</sub> R	2 <sub>4</sub> R3	R4	
* LIGHT SPROUT TIP:				
1 = Closed 2 = into	ermediate 3 = Open			
V 2	R1 1 R	2 <sub>2</sub> R3	R4	

1 = Absent 2	TIP: PUBESCENCE = Weak 3 = Mediun	n 4 = Strong	5 = Very Strong		
V 2	R1 1	R2 4	R3	R4	
LIGHT SPROUT 1 = Green 2	TIP ANTHOCYANIN COL = Red-violet 3 = Biu		r(describe)		_
V	R1	R2	R3	R4	
LIGHT SPROUT T 1 = Absent 2	IP: INTENSITY OF ANT! = Weak 3 = Medium		ON (IF PRESENT) 5 = Very Strong		
V 3	R1 3	R2 1	R3	R4	
LIGHT SPROUT R 1 = Short 2 = 1	OOT INITIALS: FREQUE Medium 3 = Long	ENCY			_
V 3	R1 2	R2 1	R3	R4	
CHARACTERIST	CS:				•
GROWTH HABIT: 3 = Erect (>45° with	(See Figure 2)				
		ect (30-45° with ground	d) 7 = Spreading		
V   3	$ R1 _3$	R2 5	R3	R4	
YPE: = Stem (foliage op	en, stems clearly visible)	2 = Intermediate	3 = Leaf /Enliane clas	ed stems hardly visible)	
= Stem (foliage op	en, stems clearly visible)			ed, stems hardly visible)	
	en, stems clearly visible)	$2 = Intermediate$ $\begin{array}{ c c c c c c c c c c c c c c c c c c c$	3 = Leaf (Foliage clos	ed, stems hardly visible)	
= Stem (foliage op		R2 2			
= Stem (foliage op	R1 1	R2 2			
= Stem (foliage op  V 1-2  ATURITY: Days a	R1 1	R2 2	R3	R4	
= Stem (foliage op  V 1-2  ATURITY: Days a	R1 1	R2 2	R3	R4	R4
= Stem (foliage op  V 1-2  ATURITY: Days a  V  LANTING DATE:	R1 1	R2 2	R3	R4	R4
= Stem (foliage op  V 1-2  ATURITY: Days a  V  LANTING DATE:  V  EEGIONAL AREA: = Pacific North We:	R1 1	R2 2 Ine senescence R2 R2	R3	R4 R3	

R1

R2

R3

4. STEN	M CHARACTERISTI	CS: Measure at early firs	t bloom			
	* STEM ANTHOCY 1 = Absent 3= W	/ANIN COLORATION: /eak 5 = Medium 7 = 1	Strong 9 = Very Strong			
	V 5	R1 7	R2 5	R3	R4	
	STEM WINGS: (So	ee Figure 3) Veak 5 = Medium 7 =	Strong 9 = Very Strong	)		
	V	R1	R2	R3	R4	
6. LEAF	CHARACTERISTIC	:s:				
	LEAF COLOR: (O/ 1 = Yellowing-green	bserve fully developed lea 1 2 = Olive-green 3 =	aves located on middle 1. Medium Green 4 = D	/3 of plant) ark Green 5 = Grey-	green 6 = Other	
	V 1-2	R1 3	R2 3	R3	R4	
	LEAF COLOR CHA (Observe fully devel	RT VALUE: Royal Horti loped leaves located on n	culture Society Color Ch niddle 1/3 of plant and cir	art or Munsell Color Cl	nart or chart)	
	V	R1	R2	R3	R4	
	LEAF PUBESCENC 1 = Absent 2 = S	E DENSITY: parse 3 = Medium	4 = Thick 5 = Heav	,		
	V	R1	R2	R3	R4	
	LEAF PUBESCENC 1 = None 2 = Sh		= Long 5 = Very Lon	g		
· [	V	R1	R2	R3	R4	
(	(Note Descriptor #15	can be used to describe	the type and length of th	e glandular trichomes d	bserved.)	
* 1	LEAF SILHOUETT = Closed 3 = Mo	E: (See Figure 4) edium 5 = Open			·	
	V 3	R1 3	R2 5	R3	R4	
P 1	PETIOLES ANTHOC = Absent 3 = We	YANIN COLORATION: eak 5 = Medium 7	= Strong 9 = Very S	trong		
	V b	R1 g	R2 5	R3	R4	
. LI 1	EAF STIPULES SIZ = Absent 3 = Srr		' <del>=</del> Large			
	V 5	R1	R2	R3	R4	
TE 1 :	ERMINAL LEAFLET	(S (O N de N C 2 3 . SHAPE (See Figures 6 a 2 = Medium Ovate 3 = B	and 7)	3 - 25 - 1008 ceolate 5 = Elliptical	6 = Obovate 7 = Oblong	8 = Other
	V з	R1 8	R2 1-2	R3	R4	

### Exhibit C (Potat 5. LEAF CHARACTERISTICS: (continued) TERMINAL LEAFLET TIP SHAPE: (See Figures 6 and 8) 1 = Acute 2 = Cuspidate 3 = Acuminate 4 = Obtuse 5 = Other **R3** R4 1 - 3\* TERMINAL LEAFLET BASE SHAPE: (See Figure 9) 1 = Cuneate 2 = Acute 3 = Obtuse 4 = Cordate 5 = Truncate 6 = Lobed 7 = Other R1 R2 R3 R4 3 - 4**TERMINAL LEAFLET MARGIN WAVINESS:** 1 = Absent 2 = Slight 3 = Weak 4 = Medium 5 = Strong R1 R3 R4 2-3 4-5 NUMBER OF PRIMARY LEAFLET PAIRS: (See Figure 6) AVERAGE: R1 R3R4 V R2 RANGE: R1 to R2 R3 R4 to to to to PRIMARY LEAFLET TIP SHAPE: (See Figures 6 and 8) 1 = Acute 2 = Cuspidate 3 = Acuminate 4 = Obtuse 5 = Other R1R2 1-3 1 R3 R4 3 PRIMARY LEAFLET SIZE: 1 = Very Small 2 = Small 3 = Medium 4 = Large 5 = Very Large R<sub>1</sub> R3 R4

1 = Narrowly ovate 2 = Medium ovate 3 = Broadly ovate 4 = Lanceolate 5 = Elliptical 6 = Ovate 7 = Oblong 8 = Other\_

5 = Truncate

medi

R2

R3

R3

**R**3

to

6 = Lobed

R4

R4

R4

to

7 = Other

R3

PRIMARY LEAFLET SHAPE: (See Figures 6 and 7)

R1

PRIMARY LEAFLET BASE SHAPE: (See Figures 6 and 9)

R1

R1

R1

3 = Obtuse

NUMBER OF SECONDARY AND TERTIARY LEAFLET PAIRS: (See Figure 6)

to

to

weak

4 = Cordate

2 = Acute

1 = Cuneate

AVERAGE:

RANGE:

medi

to

to

NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V R1 R2 R3 R4  RANGE:  V to R1 to R2 to R3 to R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower and circle the appropriate color chart)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 × White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Plnk 8 = Plnk-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  RCOROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  RANTHER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = Voring 10 = Violet 11 = Other  V 2 R1 2 R2 R3 R4  RANTHOCYANIN COLORATION:  1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4	#200300064
AVERAGE:  V medium R1 medium R2 medium R3 R4  RANGE:  V to R1 to R2 to R3 to R4  NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precion of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precion of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 **White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Plnk 8 = Plnk-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rodate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rodate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rodate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rodate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rodate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 10) 1 = Very rotate 3 = Pentagonal 4 = Sami-stellate 5 = Stellate 5 = Ste	
RANGE:  V to RI to R2 to R3 to R4  NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V R1 R2 R3 R4  RANGE:  V to RI to R2 to R3 to R4  **COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower and circle the appropriate color chart)  **COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower and circle the appropriate color chart)  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  **COROLLA SHAPE: (See Figure 10)  1 = Vorito 2 = Rod-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 5)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 5)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 5)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 5)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 5)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Red-volote 3 = Red-volote 3 = Red-volote 3 = Red-volote 3 = Red-	PLANT:
R1   R2   R3   R4   R4	
RANGE:  V to R1 to R2 to R3 to R4  NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V R1 R2 R3 R4  **COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horitculture Society Color Chart or Munsell Color Chart (Measure precions of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  **COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horitculture Society Color Chart or Munsell Color Chart (Measure precions of newly open flower and circle the appropriate color chart)  V R1 R2 R5 A R3 R4  **COROLLA NINER SURFACE COLOR: (Measure predominant color of newly open flower)  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White 2 = Red-volot 3 = Blue-volot 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  2 R1 2 R2 2 R3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  2 R5 COROLLA SHAPE: (See Figure 10)  2 R5 COROLLA SHAPE: (See Figure 10)  2 R6 COROLLA SHAPE: (See Figure 10)  3 R6 COROLLA SHAPE: (See Figure 10)  4 Semi-stellate 5 = Stellate  V 3 R4  **COROLLA SHAPE: (See Figure 10)  5 R6 COROLLA SHAPE: (See Figure 10)  6 R6 COROLLA SHAPE: (See Figure 10)  7 SPINC SHAPE: (See Figure 10)  8 R7 COROLLA SHAPE: (See Figure 10)  1 = Very SHAPE: (See Figure 10)  1 = Very SH	
RANGE:  V to RI to R2 to R3 to R4  NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V RI R2 R3 R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = Winite 2 = Ret-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  V 2 R1 2 R2 R3 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  *COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate	
NUMBER OF FLORETS/INFLORESCENCE:  AVERAGE:  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precolor of newly open flower)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-whitle 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  *COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1  PXY COTTICS FAR GARGES STORE AS STORE A	<del>co h</del> igh · · · · · · · · · · · · · · · · · · ·
AVERAGE:  V	to R2 to R3 to R4 to
AVERAGE:  V	
RANGE:  V to RI to R2 to R3 to R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precions of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precion of newly open flower and circle the appropriate color chart)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower) 1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	SCENCE:
RANGE:  V to R1 to R2 to R3 to R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate	
RANGE:  V to R1 to R2 to R3 to R4  *COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate	P2 P2 P4
**COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precion of newly open flower and circle the appropriate color chart)    V	KZ K3 K4
*COROLLA INNER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower and circle the appropriate color chart)  V 76 A R1 75 A R2 85 A R3 R4  *COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precior of newly open flower and circle the appropriate color chart)  V R1 R2 R3 R4  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower) 1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Plnk 8 = Plnk-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2  R5 R5 R6 R7  R6 R6 R7  R7  R7  R7  R7  R8  R9  R9  R9  R9  R9  R9  R9  R9  R9	
V 76 A R1 75 A R2 85 A R3 R4  **COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure proclor of newly open flower and circle the appropriate color chart)  V R1 R2 R3 R4  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower) 1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Plnk 8 = Plnk-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 5 = Red-purple 6 = Blue 7 = Plnk 8 = Pink-white 8 = Pink-white 9 = Pink-	to R2 to R3 to R4 to
V 76 A R1 75 A R2 85 A R3 R4  **COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure proclor of newly open flower and circle the appropriate color chart)  V R1 R2 R3 R4  **COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower) 1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Plnk 8 = Plnk-white 9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	OR CHART VALUE. Dougl Handbulk Code L. C. L.
*COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure precion of newly open flower and circle the appropriate color chart)  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White	LOR CHART VALUE: Royal Horticulture Society Color Chart or Munselt Color Chart (Measure predom the appropriate color chart)
*COROLLA OUTER SURFACE COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Measure procolor of newly open flower and circle the appropriate color chart)  *COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White	
*COROLLA INNER SURFACE COLOR: (Measure predominant color of newly open flower)  1 = White 2 = Red-violet 3 = Blue-violet 4 = Cream 5 = Red-purple 6 = Blue 7 = Pink 8 = Pink-white  9 = Purple 10 = Violet 11 = Other    V   2   R1   2   R2   2   R3   R4    COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate    V   3   R1   R2   R3   R4      V   3   R4      V   1   R1   7   R2   5   R3   R4      ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	1 75 A R2 85 A R3 R4
9 = Purple 10 = Violet 11 = Other  V 2 R1 2 R2 2 R3 R4  COROLLA SHAPE: (See Figure 10) 1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION: 1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	LOR: (Measure predominant color of newly open flower)
COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION:  1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	
COROLLA SHAPE: (See Figure 10)  1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION:  1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	D2 D2 D4
1 = Very rotate 2 = Rotate 3 = Pentagonal 4 = Semi-stellate 5 = Stellate  V 3 R1 R2 R3 R4  RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION: 1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	2   K2   2   K3   K4
RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION: 1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	
RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION: 1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	entagonal 4 = Semi-stellate 5 = Stellate
RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION:  1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	R2 R3 R4
RESCENCE CHARACTERISTICS:  CALYX ANTHOCYANIN COLORATION:  1 = Absent 3 = Weak 5 = Medium 7 = Strong 9 = Very strong  V 1 R1 7 R2 5 R3 R4  ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	
NATHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
NTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	
ANTHER COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flowe expanded and circle the appropriate color chart)	Iff 7 = Strong 9 = Very strong
Expanded and dicte the appropriate color chart)	R2   5   R3   R4
Expanded and dicte the appropriate color chart)	
V R1 R2 R3 R4	Royal Horticulture Society Color Chart or Munsel Color Chart (Measure when newly opened flower is f color chart)
<u>'                                      </u>	P2 P2 D4
	K4

R3

R4

R2

. 114	POLLEN PRODUCTION: 1 = None 3 = Some 5 = Abundant	
	V R1 R2 R3 R4	
	STIGMA SHAPE: (See Figure 12) 1 = Capitate 2 = Clavate 3 Bi-lobed	
	V         R1         R2         R3         R4	
	STIGMA COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsel Color Chart (Circle the appropriate color chart)	
	V         R1         R2         R3         R4	
-	BERRY PRODUCTION: (Under field conditions)  1 = Absent 3 = Low 5 = Moderate 7 = Heavy 9 = Very Heavy	
	V         1         R1         R2         R3         R4	
TUE	### PREDOMINANT SKIN COLOR:  1 = White	
•	SECONDARY SKIN COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circle the appropriate color)  R1  R2  R3  R4	
	SECONDARY SKIN COLOR DISTRIBUTION: (See Figure 13)  1 = Eyes  2 = Eyebrows  3 = Splashed  4 = Scattered  5 = Spectacled  6 = Stippled  7 = Other    V	
٠	SKIN TEXTURE:  1 = Smooth 2 = Rough (flaky) 3 = Netled 4 = Russetted 5 = Heavily russetted 6 = Other	
	V     1       R1     1       R2     1-2       R3     R4	

7. TUBE	R CHAR	ACTERIS	STICS: (continu	ued)		
	* TUBE! 1 = Com	R SHAPE	E: (See Figure 2 = Round		val 4 = Oblong 5 =	= Long 6 = Other
	V	3	R1	3	$R2  _{3-4}$	R3

<u> </u>		3 102 3	_4 _10		174	
TUBER THE 1 = Round	CKNESS: 2 = Medium thick	3 = Slightly flattened	4 = Flattened	5 = Other		
V	R1	R2	R3		R4	

### TUBER LENGTH (mm):

### AVERAGE:

V	R1	R2	R3	R4
DANOT:				

### RANGE:

V	to	R1	to	R2	to	R3	to	R4	to	
---	----	----	----	----	----	----	----	----	----	--

### STANDARD DEVIATION:

V	R1	R2	R3	•	R4			
AVERAGE WEIGHT OF CAMID! E TAYEN.								

V R1	R2	R3	R4
------	----	----	----

### TUBER WIDTH (mm)

### AVERAGE:

			•		
V	R1	R2	R3	R4	
RANGE:					

V	to	RI	to	R2	to	R3	to	- [1]	R4	to	
STAM	DADD DEWATION.										

### STANDARD DEVIATION:

V R1	R2	R3	R4
------	----	----	----

### AVERAGE WEIGHT OF SAMPLE TAKEN (g):

V R1	R2	R3	R4
------	----	----	----

### #200300064 Exhibit C (Pota 7. TUBER CHARACTERISTICS: (continued) TUBER THICKNESS (mm): AVERAGE: R1R<sub>2</sub> **R3** R4 RANGE: R1 to to **R2** R3 R4 to to to STANDARD DEVIATION: V R1R2 R3 R4 AVERAGE WEIGHT OF SAMPLE TAKEN (g): R<sub>1</sub> R2 R3 R4 TUBER EYE DEPTH: 1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep 9 = Very deep R1R3 R4 **TUBER LATERAL EYES:** 1 = Protruding 3 = Shallow 5 = Intermediate 7 = Deep 9 = Very deep R1R3 R4 per correspondance LMC 3-25-2008 NUMBER EYE/TUBER: AVERAGE: **R1 R2 R3** R4 RANGE: R1 to **R2** to R3 R4 to to to DISTRIBUTION OF TUBER EYES: 1 = Predominantly apical 2 = Evenly distributed R<sub>1</sub> R<sub>2</sub> 1 **R3** 2 R4 2 PROMINENCE OF TUBER EYEBROWS: 1= Absent 2 = Slight prominence 3 = Medium prominence 4 = Very prominent

R1

R2

R3

5 = Other

7. '	TUBER	CHARACT	TERISTICS:	(continued)

DDEDOMINANT TUDED BY THE VICE OF THE VICE	
PREDOMINANT TUBER FLESH COLOR  1 = White 2 = Light Yellow 3 = Yellow 4 = Buff 5 = Tan 6 = Brown 7 = Pink 8 = Red 9 = Punk  1 = Red 9 = Red 9 = Punk  1 = Red 9 = R	rplish-red
10 = Purple 11 = Dark purple-black 12 = Other	p.ion rod
V 3 R1 2-3 R2 2-3 R3	R4
PRIMARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color Chart (Circ chart)	le the appropriate color
V R1 R2 R3	R4
SECONDARY TUBER FLESH COLOR:	
1 = Absent 2 = Present, please describe:	
V 1 R1 1 R2 1 R3 R4	
SECONDARY TUBER FLESH COLOR CHART VALUE: Royal Horticulture Society Color Chart or Munsell Color-Chart (Chart)	Circle the appropriate color
V         R1         R2         R3	R4
NUMBER OF TUBERS/PLANT: 1 = Low (<8 )	
V R1 R2 1 R3 R4	

### 8. DISEASES CHARACTERISTICS:

DISEASES REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions In Number and Size 4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible 7 = Susceptible 9 = Highly Susceptible

LATE BLIGHT: (Phytophthora)



R1

R2

R3

R4

EARLY BLIGHT: (Alternaria)



R1

R2

R3

R4

SOFT ROT (Erwinia)



R1

R2

R3

R4

COMMON SCAB (Streptomyces)



R1

R2

R3

R4

POWDERY SCAB (Spongospora)



R1

R2

R3

R4

DRY ROT (Fusarium)



R1

R2

R3

R4

POTATO LEAF ROLL VIRUS (PLRV)



R1

R2

R3

### 8. DISEASES CHARACTERISTICS: (continued) **POTATO VIRUS X (PVX)** R1R<sub>2</sub> **R3** R4 POTATO VIRUS Y (PVY) R1R2 **R3** R4 POTATO VIRUS M (PVM) **R**1 R3 R4 **POTATO VIRUS A (PVA)** R1R<sub>2</sub> R3 R4 **GOLDEN NEMATODE (Globodera)** resistant R1 R2 R3 R4 - 5 ROOT - KNOT NEMATODE (Meloidogyne) V R1R<sub>2</sub> R3 R4 OTHER DISEASE R1R<sub>2</sub> R3 **R4** PHYSIOLOGICAL DISORDER 1 = Malformed shape 2 = Tuber cracking 3 = Feathering 4 = Hollow heart 5 = Internal necrosis 6 = Blackheart 7 = Internal sprouting 8 = Other **R**1 R2 R3R4 9. PESTS CHARACTERISTICS: PEST REACTION: 0 = Not Tested 1 = Highly Resistant 2 = Resistant Few Symptoms 3 = Resistance Few Lessions in Number and Size 4 = Moderately Resistance 5 = Intermedia Susceptible 6 = Moderate Susceptible 7 = Susceptible 9 = Highly Susceptible COLORADO POTATO BEETLE (CPB) (Leptinotarsa) V R<sub>1</sub> R<sub>2</sub> R3 R4 **GREEN PEACH APHID (Myzus)** R3 OTHER:

R3

R4

R1

R1

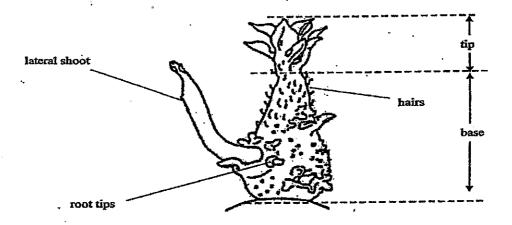
OTHER:

R<sub>2</sub>

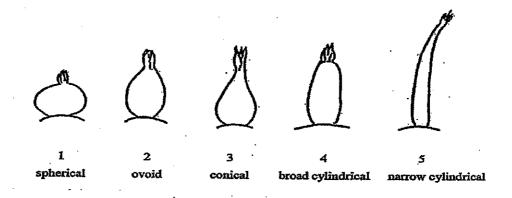
		CATIOL O (FOLA
10. G	NE TRAITS:	
	INSERTION OF GENES: 1 = YES 2 = NO X	
	IF YES, describe the gene(s) introduced or attach information:	
11. Q	ALITY CHARACTERISTICS:	
	CHIEF MARKET:	
	SPECIFIC GRAVITY (wt. air/wt. air wt. water) 1 = <1.060	
	V         R1         R2         R3         R4	
	TOTAL GLYCOALKALOID CONTENT (mg./100 g. fresh tuber)	
	V <b>2-3</b> R1 R2 R3 R4	
	Per correspondence 3-3-2008 Line 3-25-2008	
OTHER	QUALITY CHARACTERISTICS: Describe any other quality characteristics that are said in 11 (15)	ch fry processing.
oaking,	polling, after-cooking darkening). Please attach data and corresponding protocol.	array processing,
		_
	·	<b></b>
		_
-		_
42 CU	MICAL IDENTIFICATION:	
Describ protocol	chemical traits of the candidate variety that aid in its identification (e.g., protien or DSN electrophoresis). Please attach data and the	corresponding
		-
13. FIN	ER PRINTING MARKERS:	
	ISOZYMES 1 = YES 2 = NO	
	IF YES, attach information	
·		
4. DNA	PROFILE: 1 = YES 2 = NO	
	IF YES, attach information	
	ITIONAL COMMENTS AND CHARACTERISTICS:	
rclude a	y additional descriptors that would be useful in distringuishing the candidate variety.	
	·	

### Figure 1: Light sprout

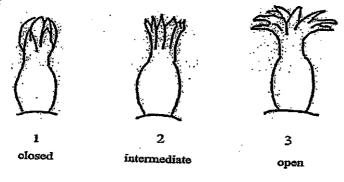
### Light sprout dissection



### Light sprout shape



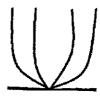
### Light sprout tip habit



The characteristic should be observed after about 10 weeks to obtain a good differentiation in the collection.

Figure 2: Growth Habit





Erect

ect Semi Erect

Spreading

Figure 3: Stem Wings







Weak

Medium

Strong

Figure 4: Leaf Sillhouette





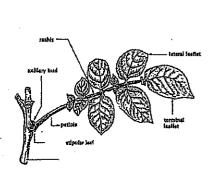


Closed

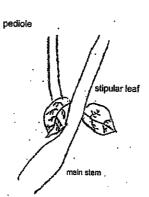
Medium

Open

Figure 5: Leaf Stipules



General structures



Small stipular leaf



Medium stipular leaf



Large stipular leaf

Figure 6: Leaf Dissection

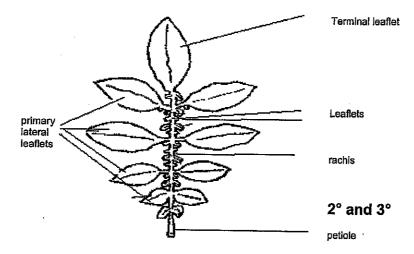


Figure 7: Terminal Leaflet Shape/Primary Leaflet Shape

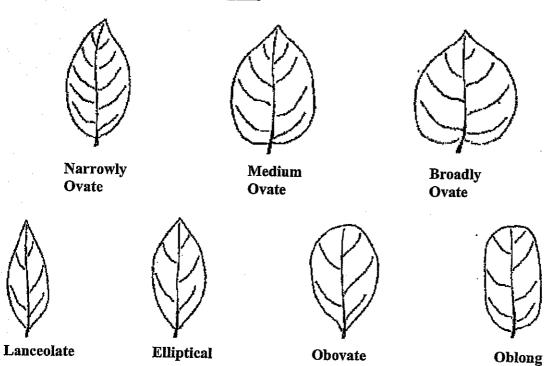
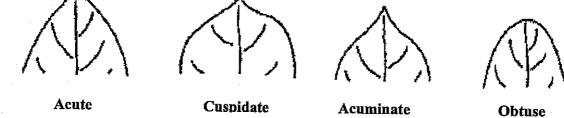
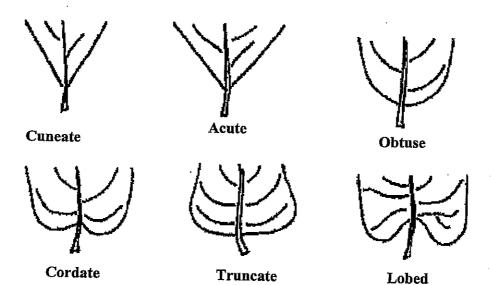


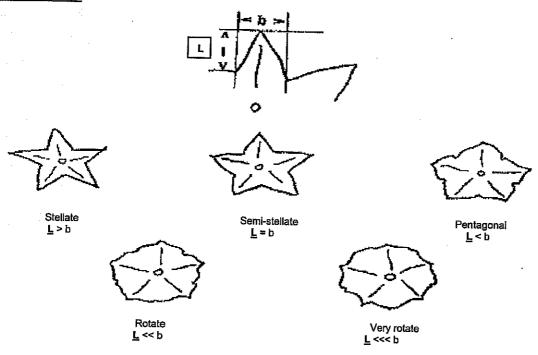
Figure 8: Terminal Leaflet Shape of Tip/Primary Leaflet Shape of Tip



### Figure 9: Terminal Leaflet Shape of Base/Primary Leafelet Shape of Base



### Figure 10: Corolla Shape



### Figure 11: Anther Shape



Broad cone



Narrow cone



Pear-shape cone



Loose



Capitate



Clavate



**Bi-lobed** 

### Figure 13: Distribution of Secondary Skin Tuber Color



Eyes



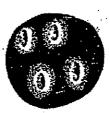
**Eyebrows** 



Splashed



Scattered



Spectacled



Stippled

### Figure 14: Tuber Shape



Compressed



Round



Oval



**Oblong** 



Long

### teferences:

Iuaman, Z. 1986. Systematic botany and morphology of the potato. Technical information Bulletin 6. International otato Center, Lima, Peru.

Iuaman, Z., Williams, J.T., Salhuana, W. and Vincent, L. Descriptors for the cultivated potato and the maintenance nd distribution of germplasm collections. 1977. International Board for Plant Genetic Resources. Rome, Italy.

otato (Solanum tuberosum L.) Guidelines for the conduct of tests for distinctness, uniformity and stability. iternational union for the protection of new varieties of plants (UPOV). 2004-03-31.

### Exhibit D



### Laura NN

Maturity : medium early

cooking type (EAPR) : B, mainly firm cooking

resistance to nematodes : Ro 1 - 5

resistance to potato wart disease (Synchytr.) : none

tuber shape : oval to long oval, very regular

eye depth : very shallow to shallow skin : red, smooth, very nice

flesh colour : deep yellow

yield : high to very high

calibration : regular, very high marketable yield

consumption quality : very good, excellent taste

discoloration after cooking : none

resistances

Y-Virus (PVY) : very high

potato leaf roll virus (PLRV) : high

common scab (Streptomyces scabies) : medium black leg (Erwinia spp.) : medium

late blight (Phytophthora infestans) ; high

internal rust spots : high

processing quality : french fries

sensitivity to mechanical damage : medium

dormancy : high

LAURA has a very high regularity of calibration, a smooth skin and shallow eyes

with a very attractive red skin.

LAURA should be planted for consumption use with 28-30 cm and for processing at

32-34 cm in 75 cm row.

LAURA reacts sensitive to Sencor and sprouts should not be broken at planting.

LAURA is good for washing and can be processed to french fries directly

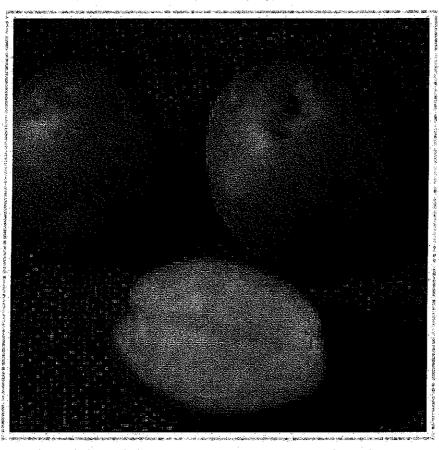
after harvesting (dual use).

Europlant Pflanzenzucht GmbH

P.O.Box 1380 – D-21303 Lueneburg europlant@europlant-potato.de

www.europlant-potato.de

# ATLANTIC



REPRODUCE LOCALLY. Include form number and edition date on at	reproductions. F	ORM APPROVED - OMB No. 0581-005
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	Application is required in order to dot certificate is to be issued (7 U.S.C. 2	ormine if a plant variety protection
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	confidential until the certificate is issu	927), (ne information is neighbor (7 U.S.C. 2426),
1 NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
EUROPLANT Pflanzenzucht GmbH	OR EXPERIMENTAL NUMBER	LAURA
4. ADDRESS (Street and No., or R.F.D. Ho., City, State, and ZIP, and Country)	5. TELEPHONE produce area code;	S. FAX (include area opds)
P.O. Box 13 80	10_1121 <b>7</b> 40005	40 4424 7480502
D - 21303 Lüneburg	+49-4131-748005 7. PVPO NUMBER 0 0 3 0	49-4131-7480583
Germany		
8. Does the applicant own all rights to the variety? Mark an "X" in the	e appropriate block. If no, please expl	ain YES XX NO
see annexed statement		
9. Is the applicant (individual or company) a U.S. National or a U.S. t	ased company? If no give name of c	ountry YES NO
Germany	company. If no, give mante or e	L TES EXX NO
10. Is the applicant the original owner?	If no, please answer one of the fol	lowing:
a. If the original rights to variety were owned by individual(s), is (	are) the original owner(s) a U.S. Nation	al(s)?
YES NO	If no, give name of country	
b. If the original rights to variety were owned by a company(ies)	is (are) the original owner(s) a U.S. ba	sed company?
YES XK NO	If no, give name of country	
· · · · · · · · · · · · · · · · · · ·	Germany	
11. Additional explanation on ownership (If needed, use the reverse f	or extra space):	
See attachment.		
Per correspondence	3_3_2008	
LMC 3-25-2008	J-5-2008	
DI CACITAIOTE		
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	ees) who meet the following criteria:	
<ol> <li>If the rights to the variety are owned by the original breeder, that penational of a country which affords similar protection to nationals of</li> </ol>	erson must be a U.S. national, national of the U.S. for the same genus and speci-	of a UPOV member country, or es.
<ol><li>If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.</li></ol>	ed the original breeder(s), the company ountry which affords similar protection t	must be U.S. based, owned by o nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the o	original owner and the applicant must m	eet one of the above criteria.
The original breeder/owner may be the individual or company who direction definitions.	ected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection
		· · · · · · · · · · · · · · · · · · ·

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant.biz

Statement of the Basis of the Applicant's Ownership

### LAURA

We, the undersigned, being the worldwide exclusive representative of the original breeder of the potato variety "LAURA", do hereby declare that we have the exclusive rights to sign this statement. LAURA was bred in the breeding station Kaltenberg, Germany by cross breeding. The crossing was done by the breeder Mr. Albert Offereins. Mr. Offereins had been employee of KARTOFFELZUCHT BOEHM, INH. GEBR. BÖHM and possesses no rights in the variety. EUROPLANT Pflanzenzucht GmbH is the worldwide exclusive representative of all varieties bred by KARTOFFELZUCHT BOEHM.

We have assigned the marketing rights for the U.S.A. of the variety "LAURA" to our representative in the U.S.A. [Hanse Seed Corp.]. In so doing, we have authorized Hanse Seed Corp. to propagate and distribute seeds of the variety "LAURA" while also acting as our legal representative in all matters pertaining to the variety.

We hereby grant our consent for Hanse Seed Corp. to register this variety in U.S.A. (National List).

EUROPLANT Pflanzenzucht-GmbH

Jörg Renatus General Manager -



Europlant Pflanzenzucht GmbH, Wulf-Werum-Str. 1 , D - 21337 Lüneburg, Tel.: +49 (0) 4131 / 7480-05, FAX: +49 (0) 4131 / 7480-583
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Eingetragen Lüneburg HRB 200826, UST.-IdNr.: DE 811305812, Steuemr. : 33/211/01930, Geschäftsführer: Jörg Eggers und Jörg Renatus

Böhm-Nordkartofiel



EUROPLANT Pflanzenzucht GmbH, P.O. Box 1380, D-21303 Lüneburg Tel.: +49 41 31 / 74 80 05, Fax: 74 80 583, E-mail: europlant@europlant-potato.de

### AUTHORISATION OF AGENT FOR THE U.S.A.

we, the undersigning EUROPLANT Pflanzenzucht GmbH (Lüneburg, Germany) hereby authorise

> Hanse Seed Corp. Mr. John Thomas Düsing 803, Nandina Dr. Weston, Fl, 33327 U.S.A.

to sign any application, notice or other document given, delivered to or served upon the Plant Variety Protection Office, U.S. Department of Agriculture, in our name for the potato (Solanum tuberosum L.) variety

LAURA

Signature: ....

Jörg Renatus

Managing Director

EUROPLANT

Seal Pflanzenzucht GmbH Wulf-Werum-Str 1 21337 Lüneburg

Lüneburg; 2002-10-15

Europlant Pflanzenzucht GmbH, Wulf-Werum-Str. 1 , D - 21337 Lüneburg, Tel.: +49 (0) 4131 / 7480-05, FAX: +49 (0) 4131 / 7480-583 Bankverbindungen: Commerzbank AG Lüneburg Kto.-Nr. 438181000 (BLZ 50040000) SWIFT COBA DE FF Eingetragen Neubrandenburg HRB 3537, UST.-IdNr.: DE 811305812, Steuernr.: 33/211/01930, Geschäftsführer: Jörg Eggers und Jörg Renatus

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

**EXHIBIT F DECLARATION REGARDING DEPOSIT** 

NAME OF OWNER (\$) ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) TEMPORARY OR EXPERIMENTAL DESIGNATION EUROPLANT Pflanzenzucht GmbH P.O. Box 1380 VARIETY NAME ier correspondance D-21303 Lüneburg LAURA LMC 4-29-08 NAME OF OWNER REPRESENTATIVE (S) ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) #2°0°0300064 Hanse Seed Corp. 803, Nandina Drive John Thomas Düsing Weston, Fl. 33327, USA

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.



Lüneburg, 29.06.2006

21337 Lüneburg